Index of Claims



Application No.

10/018,325

Examiner

Applicant(s)

**CARUSO ET AL** 

Art Unit

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1773

Rejected Allowed

(Through numeral) Cancelled

Restricted

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I Interference

**Appeal** Α

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| Cla   | Date   |               |          |           |          |          |          |              |          |                |  |
| Final | 1 2 3 4 5 6 7 8 9 10                         | 02            |          |           |          |          |          |              |          |                |  |
|       | 1  | -             | -        | -         | H        | ╁╴       | H        |              | H        | $\vdash$       |  |
|       | 2  | <u>~</u>      | ╁─       | $\vdash$  | ┢╌       | 1        | $\vdash$ |              | $\vdash$ | $\vdash$       |  |
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|       | 4  | =             | ┢        | t         | $\vdash$ | T        |          |              | t        |                |  |
|       | 5  | =             |          |           |          | 1        | İ        |              |          | İ              |  |
|       | 6  | =             |          | 厂         | 1        | T        |          |              |          |                |  |
|       | 7  | V             | <u> </u> |           |          |          |          |              | İ        |                |  |
|       | 8  | 1             |          |           |          |          |          |              |          |                |  |
|       | 9<br>10                                      | 1             |          |           | Ι.       |          |          |              |          |                |  |
|       |  | ~             |          |           |          |          |          |              |          |                |  |
|       | 11   | /             |          |           | 匚        |          |          |              |          |                |  |
|       | 12   | -             |          | oxdot     |          |          | L        | <u>L</u>     |          | <u> </u>       |  |
|       | 11<br>12<br>13<br>14<br>15<br>16<br>17<br>18 | 1             | _        | <u> </u>  | L        | <u> </u> | _        |              | $\perp$  |                |  |
|       | 14   | 1             |          |           |          | <u> </u> | L_       | <u> </u>     | <u> </u> | <u> </u>       |  |
|       | 15   | 1             | _        |           |          |          |          |              | <u> </u> | <u> </u>       |  |
|       | 16   | 1             | <u> </u> | <u> </u>  |          | _        | _        |              | _        |                |  |
|       | 17   | 1             | ļ        | ļ         |          | <u> </u> |          |              |          |                |  |
|       | 18   | 1             |          | _         |          |          | _        | ļ            | _        | _              |  |
|       | 19   | V             | L_       | <u> </u>  |          | ļ        | _        | _            | _        | <u> </u>       |  |
|       | 20   | 0             |          | _         | _        | ļ        |          | _            | _        |                |  |
|       | 20<br>21<br>22                               | 0             |          | <u> </u>  | ļ        | ļ_       |          |              | _        | _              |  |
|       | 22   |               |          |           | _        | $\vdash$ |          | <del> </del> | _        | <b> </b>       |  |
|       | 23<br>24                                     | V             |          | -         | ├        |          | $\vdash$ | -            | ⊢        |                |  |
|       | 25   | /             |          |           | ⊢        | $\vdash$ |          | ⊢            | -        |                |  |
|       | 26   | _             | -        | ├         | -        |          |          | -            |          |                |  |
|       | 27   | 2007271127727 |          | -         | $\vdash$ | -        |          | -            | -        |                |  |
|       | 28   | V             |          | <b>-</b>  | -        |          |          |              |          |                |  |
|       | 29   | ~             |          | <b></b> - | -        | $\vdash$ |          | <del>-</del> |          |                |  |
|       | 30   | 7             |          |           |          |          |          |              |          |                |  |
|       | 31   | V             |          |           |          |          |          |              |          |                |  |
|       | 32   | 1             |          |           |          |          |          | -            |          |                |  |
|       | 33   | 1             |          |           |          |          |          |              |          |                |  |
|       | 34   |               |          |           |          |          |          |              |          |                |  |
|       | 35   |               |          |           |          |          |          |              |          |                |  |
|       | 36<br>37                                     |               |          |           |          |          |          |              |          |                |  |
|       | 37   |               |          |           |          |          |          |              |          |                |  |
|       | 38   |               |          |           |          |          |          |              | ļ        |                |  |
|       | 39   |               |          |           |          | _        |          |              |          |                |  |
|       | 40   |               |          | ļ         |          |          |          | <u> </u>     |          |                |  |
|       | 41   | Ш             |          |           |          |          | <u> </u> |              | _        |                |  |
|       | 42   | Н             |          |           | _        | <u> </u> |          | <u> </u>     | _        | Щ              |  |
|       | 43   |               |          |           | _        |          | <u> </u> | H            |          | $\sqcup$       |  |
| -     | 44   | Н             |          | H         | _        | H        | <u> </u> | H            |          | Ш              |  |
|       | 45<br>46                                     | Н             |          | <u> </u>  |          | H        |          | <u> </u>     | $\vdash$ | Н              |  |
|       |  | $\vdash$      | -        | _         | <u> </u> |          | L        | -            | -        | $\vdash\dashv$ |  |
|       | 47<br>48                                     | $\vdash$      |          |           |          |          | -        | <u> </u>     |          |                |  |
|       | 49   |               |          |           |          |          |          | -            |          | $\vdash\dashv$ |  |
|       | 50   |               |          |           | -        |          | $\vdash$ | $\vdash$     |          | $\vdash$       |  |
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| Cla      | aim         |           |                |              |          | Dat  | е            | _        |          |          | ]   | Cla   | aim      |                 |          |          |          | Dat      | e        |          |                |          |
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|          | ı           |           | Γ              |              |          | Γ  |              | Γ        |          |          |     |       |          | $  \   ]$       |          |          |          |          |          |          |                |          |
| 5        | Original    | 02<br>5il | ļ              |              |          |  |              |          | 1        |          |     | ā     | Original |                 |          |          |          |          |          |          |                |          |
| Ξ        | ₽.          | ، سا      |                |              | İ        |  |              |          |          | 1        |     | Final | rig      |                 |          |          |          |          |          |          |                |          |
| -        | ō           | ÞΫ        |                |              |          |  | l            |          | 1        | 1        |     |       | Ō        |                 |          |          |          |          |          | l        | 1              |          |
|          |             | -         | -              |              |          | <b>├</b>   |              | $\vdash$ | ⊢        |          | - 1 |       | E4       |                 |          |          |          |          | -        |          | <del> </del>   | -        |
|          | 1<br>2<br>3 | V         | <del> </del> — | 1            | <u> </u> | 1  | $\vdash$     | $\vdash$ | ⊬        |          |     |       | 51       | $\vdash$        |          |          |          | <u> </u> | -        | $\vdash$ | ₽-             | $\vdash$ |
|          | _2_         | =         | L              |              | L        | <u> </u>   | ļ            | _        | ╙        | _        | 4   |       | 52       | $\sqcup$        |          |          |          |          |          |          |                |          |
|          | 3           | =         |                |              |          |  |              |          |          | _        | ]   |       | 53       |                 |          |          |          |          | <u> </u> |          |                |          |
|          | 4           | 1         |                |              |          |  |              |          |          |          |     |       | 54       | <u> </u>        |          |          |          | l        |          |          |                |          |
|          | 5           | =         |                |              |          | Π  |              |          | П        |          | 1   |       | 55       |                 |          |          |          |          |          | П        |                |          |
|          | 6<br>7      | =         |                |              | Г        |  |              | T        |          |          | 1 ] |       | 56       |                 |          |          |          | Π        | Π        |          |                |          |
|          | 7           | ~         |                | T-           |          | ݪ  | <u> </u>     | T        | İ        |          | 1 / |       | 57       |                 |          |          |          |          |          | T        | T              |          |
|          | 8           | 1         |                |              | -        | $\vdash$   |              | $\vdash$ | $\vdash$ | T        | 1 1 |       | 58       | <del>  </del>   |          | _        | _        |          | _        | 一        | $I^-$          |          |
|          | 9           | 1         | -              |              | $\vdash$ | $\vdash$   | -            | -        | -        | <u> </u> | 1   |       | 59       |                 |          |          |          |          |          |          |                |          |
|          | 10          | 7         |                | -            | ┝╌       | <del> </del> −                                   | <del> </del> | $\vdash$ | -        | -        | 1 1 |       | 60       | $\vdash$        | _        | _        |          | -        | ⊢        | ┢        | $\vdash$       | 1        |
|          |             |           |                | <u> </u>     | <u> </u> | -  | -            | ├        | ├        |          | 1 1 |       |          |                 |          |          |          |          | ├        | ⊢        |                | ├—       |
|          | 11          | /         | _              | <u> </u>     | $\vdash$ | <u> </u>   |              |          | <u> </u> | ļ_       | 1   |       | 61       |                 |          |          |          |          | <u> </u> | <u> </u> | _              |          |
|          | 12          | ~         | <u> </u>       | <u> </u>     | _        | <u> </u>   | L            | L.       | L        | ـــ      | ↓   |       | 62       | $\sqcup$        |          |          |          | _        |          | <u> </u> |                |          |
|          | 13          | /         |                |              | <u>L</u> | <u> </u>   |              |          |          |          | 1   |       | 63       |                 |          |          |          |          |          |          |                |          |
| _ ]      | 14          | 1         | L              |              | L        | L  | L            |          |          |          |     |       | 64       |                 | T        |          |          | L        |          |          |                |          |
|          | 15          | /         |                |              |          |  |              |          |          |          | 1 [ |       | 65       |                 |          |          |          |          |          |          |                |          |
|          | 16          | 1         |                |              |          |  |              |          | Т        | T        | 1   |       | 66       | H               | $\neg$   |          |          |          |          |          |                |          |
|          | 17          | 1         | <del> </del>   | <del> </del> | _        | H  |              | $\vdash$ | $\vdash$ | $\vdash$ | 1   |       | 67       | $\vdash$        |          |          | _        | $\vdash$ |          |          | $\vdash$       | $\vdash$ |
| _        | 18          | 7         |                |              | _        | <del>                                     </del> |              |          | $\vdash$ | H        | 1 1 |       | 68       | $\vdash$        | $\dashv$ |          |          | <u> </u> | -        |          | -              |          |
| -        |             | -         | -              | -            |          | -  |              | -        |          | ┼        |     |       | 00       | $\dashv$        | $\dashv$ |          | -        | $\vdash$ | $\vdash$ |          | <u> </u>       | $\vdash$ |
| _        | 19          | V         | <u> </u>       | <u> </u>     |          | ļ  | _            | $\vdash$ | <u> </u> | _        | 1 1 |       | 69       | _               | -        | _        |          | _        | ļ        | <u> </u> |                | _        |
| _        | 20          | 0         | L              | <u> </u>     | _        | ļ  |              | _        | ┖        |          | 1 1 |       | 70       |                 |          |          |          |          | <u> </u> | L        |                |          |
|          | 21          | 0         |                |              |          |  |              |          |          |          |     |       | 71       |                 |          |          |          |          |          |          |                |          |
|          | 22          | <b>\</b>  |                |              |          |  |              |          |          |          | ΙI  |       | 72       |                 |          |          |          |          |          |          |                |          |
|          | 23          | 7         |                |              |          |  |              |          | I -      |          |     |       | 73       |                 |          |          |          |          |          |          |                |          |
|          | 24          | 7         |                |              |          |  |              |          |          |          | 1 1 |       | 74       |                 |          |          |          |          |          |          |                |          |
|          | 25          | 7         |                |              | $\vdash$ |  | Ι            | $\vdash$ | _        | -        | 1 1 |       | 75       |                 | ヿ        |          |          |          |          |          |                |          |
| _        | 26          | Ţ         | -              | -            | -        | $\vdash$   |              | -        |          |          | 1 1 |       | 76       |                 | _        |          |          |          |          | $\vdash$ |                |          |
|          | 27          | 7         |                | -            |          |  |              |          | -        |          | 1   |       | 77       |                 | $\dashv$ |          |          |          |          |          |                |          |
| $\dashv$ | 21          |           |                | ļ            |          | <u> </u>   |              |          |          |          |     |       | 77       | $\dashv$        | -        | _        | _        |          | _        | _        | <del> </del> — |          |
| 4        | 28          | 7         |                | ļ            |          | <u> </u>   |              | _        |          |          |     |       | 78       | $\rightarrow$   | _        | _        |          |          |          |          | $\vdash$       |          |
| Ц        | 29          | V         |                |              |          |  |              |          |          | <u> </u> | Į Į |       | 79       | i               |          |          |          |          |          |          |                |          |
|          | 30          | 1         |                | L            |          |  |              |          | L        |          |     |       | 80       |                 |          |          |          |          |          |          |                |          |
|          | 31          | Š         |                |              | L        |  |              |          |          |          | ] [ | T     | 81       |                 | T        |          |          |          |          |          |                |          |
|          | 32          | 1         |                |              |          |  |              |          |          |          |     |       | 82       |                 | T        |          |          |          |          |          |                |          |
|          | 33          | 7         |                |              |          |  |              |          |          | Г        |     |       | 83       |                 |          |          |          |          |          |          |                |          |
| 1        | 34          |           |                |              |          | $\vdash$   |              |          |          |          |     |       | 84       | $\dashv$        | _        |          |          |          |          |          |                |          |
| $\dashv$ | 35          |           |                |              |          | $\vdash$   |              |          | $\vdash$ | $\vdash$ | }   |       | 85       | -+              | -        | $\dashv$ |          |          |          |          | -              |          |
| $\dashv$ |             |           |                |              |          | $\vdash$   |              |          | $\vdash$ |          | {   |       | 00       | $\dashv$        | $\dashv$ | -        | -        | -        |          |          |                | H        |
| -        | 36          |           |                |              |          |  | $\vdash$     | <u> </u> | $\vdash$ | $\vdash$ | {   |       | 86       |                 |          | -        | -        |          |          |          | $\vdash$       | Н        |
| 4        | 37          |           |                |              |          |  | _            | <u> </u> | $\vdash$ |          |     |       | 87       | $\dashv$        | _        | _        | _        |          |          |          |                | $\vdash$ |
| _        | 38          |           |                | L.,          |          |  | L.,          | L        | ļ        | <u> </u> |     |       | 88       | $\perp$         | _        |          |          |          |          |          |                | Ш        |
| _        | 39          |           |                |              |          |  | L            |          |          |          | l   |       | 89       |                 |          |          |          |          |          |          |                |          |
| _]       | 40          | ]         |                |              |          |  |              | L        |          | L        |     |       | 90       |                 | ]        |          |          |          |          |          | L              | Ll       |
| $\neg$   | 41          |           |                |              |          |  |              |          |          |          |     |       | 91       | $\Box$          | $\neg$   |          |          |          |          |          |                |          |
| 1        | 42          |           |                |              |          |  |              |          |          | l        |     |       | 92       |                 | T        | T        |          |          |          |          |                |          |
| ┪        | 43          |           |                |              |          |  | H            |          |          | $\vdash$ |     |       | 93       | +               |          |          |          |          | Н        |          |                | Н        |
| -        | 44          | $\dashv$  |                |              |          |  | $\vdash$     |          | $\vdash$ | $\vdash$ |     |       | 94       | $\dashv$        | $\dashv$ | $\dashv$ | $\dashv$ | -        | -        |          |                | $\dashv$ |
| $\dashv$ | 45          | -         |                |              |          |  | Н            |          |          |          |     |       |          | $\dashv$        | +        | $\dashv$ | $\dashv$ | -        | $\vdash$ |          |                | H        |
| 4        | 45          |           |                |              |          | Ш  |              |          | <u> </u> | _        |     |       | 95       | _               | _        | _        | _        |          |          | <u> </u> |                | Ш        |
| _        | 46          |           | _              |              |          |  | Ш            |          | _        |          | L   |       | 96       |                 |          |          |          |          |          |          |                | Ш        |
|          | 47          |           |                |              |          |  |              |          |          | L        |     |       | 97       |                 |          |          |          |          |          |          |                |          |
| _7       | 48          | T         |                |              |          |  | ╚            |          |          | L¯       |     |       | 98       | T               | _7       |          |          |          |          |          |                |          |
| 寸        | 49          |           |                |              |          |  |              |          |          |          | ĺ   |       | 99       |                 |          |          |          |          |          |          |                |          |
| 7        | 50          | $\dashv$  |                |              |          | $\neg$   | $\Box$       |          |          |          |     |       | 100      | $\neg \uparrow$ | 寸        | T        |          |          |          |          |                |          |
| _        |             |           |                |              |          |  |              |          |          |          | L   |       | 1        | _               |          |          |          |          |          |          |                |          |

| CI          | aim        | Date |              |          |          |              |          |  |              |                  |  |
|-------------|------------|------|--------------|----------|----------|--------------|----------|--|--------------|------------------|--|
| Final       | Original   |      |              |          |          |              |          | i  |              |                  |  |
|             | 101        |      | ╁            | ⊢        | $\vdash$ | $\vdash$     | $\vdash$ | -  | -            | -                |  |
|             | 102        |      | $\vdash$     | $\vdash$ | $\vdash$ |              | $\vdash$ | $\vdash$   | $\vdash$     | $\vdash$         |  |
|             | 103        | _    | T            |          |          | t            |          | <del>                                     </del> | 1-           | <del>  -  </del> |  |
|             | 104        |      | T            | 1        |          |              |          | T  | T            | <u> </u>         |  |
|             | 105        |      |              |          |          |              |          | T  | $T^-$        | <u> </u>         |  |
|             | 106        |      | T            |          |          |              |          |  |              |                  |  |
|             | 107        |      |              |          |          |              |          |  |              |                  |  |
|             | 108        |      |              |          |          |              |          |  |              |                  |  |
|             | 109        |      |              |          |          | <u> </u>     |          | ļ  |              |                  |  |
|             | 110        |      | <u> </u>     | <u> </u> | _        | _            |          |  | _            |                  |  |
|             | 111        |      | <u> </u>     |          |          | <u> </u>     | <u> </u> |  | _            | <u> </u>         |  |
| <u> </u>    | 112        |      | ļ            | ļ        | <u> </u> | <u> </u>     |          | <u> </u>   |              | <u> </u>         |  |
| <u> </u>    | 113        |      | <u> </u>     | -        | <u> </u> | <u> </u>     | _        |  | -            | <u> </u>         |  |
|             | 114        |      | -            | ├        | -        | ļ            | <u> </u> | -  |              | $\vdash$         |  |
|             | 115<br>116 |      | ├            | ├-       |          | -            |          |  |              | -                |  |
| ļ           | 117        |      | <del> </del> | ┝        |          |              |          | -  | -            | -                |  |
|             | 118        |      |              |          |          | ┢            | ├        | ├  |              |                  |  |
|             | 119        |      |              | ├        | -        |              |          | $\vdash$   | $\vdash$     |                  |  |
|             | 120        |      |              | ┢        | ╁        | <del> </del> | ├─       | ┪  | $\vdash$     |                  |  |
|             | 121        |      |              | t        |          | <u> </u>     | -        | <del>                                     </del> | <del> </del> |                  |  |
|             | 122        |      |              |          | t        |              | <b> </b> | <u> </u>   | -            |                  |  |
|             | 123        |      | _            |          |          |              |          |  |              |                  |  |
|             | 124        |      |              |          |          | Γ            |          |  |              | Г                |  |
|             | 125        |      |              |          |          |              |          |  |              |                  |  |
|             | 126        |      |              |          |          |              |          |  |              |                  |  |
|             | 127        |      |              |          |          |              |          |  |              |                  |  |
|             | 128        |      |              |          |          |              |          |  |              |                  |  |
|             | 129        |      | <u> </u>     |          |          |              |          |  |              |                  |  |
|             | 130        |      |              | <u> </u> |          | ļ            |          |  |              | L.               |  |
|             | 131        |      |              | ļ        |          | ļ            | _        |  |              |                  |  |
|             | 132        |      | <u> </u>     | _        | _        |              | _        |  | _            | _                |  |
| <u> </u>    | 133        |      | _            | <u> </u> | _        | ļ            | _        | _  |              | _                |  |
|             | 134        |      |              | _        | <u> </u> | _            |          | _  |              | <u> </u>         |  |
| <del></del> | 135<br>136 |      | -            | H        |          |              | <u> </u> | <u> </u>   |              |                  |  |
| $\vdash$    | 137        |      | <u> </u>     | $\vdash$ | $\vdash$ | <u>-</u> -   | -        | -  |              | <u> </u>         |  |
| -           | 138        |      |              |          | $\vdash$ |              | $\vdash$ | $\vdash$   | _            |                  |  |
|             | 139        | _    |              | -        |          |              |          |  |              |                  |  |
| <b>—</b>    | 140        | _    |              |          |          |              |          |  |              | -                |  |
|             | 141        |      |              |          |          |              |          |  |              | $\vdash$         |  |
|             | 142        |      |              |          |          |              |          |  |              |                  |  |
|             | 143        |      |              |          |          |              |          |  |              |                  |  |
|             | 144        |      |              |          |          |              |          |  |              |                  |  |
|             | 145        |      |              |          |          |              |          |  |              |                  |  |
|             | 146        |      |              |          |          |              |          |  |              |                  |  |
|             | 147        |      |              |          |          |              |          |  |              |                  |  |
|             | 148        |      |              |          |          |              |          |  |              |                  |  |
|             | 149        |      |              |          |          |              |          |  |              |                  |  |
| L           | 150        |      |              |          |          |              |          |  |              |                  |  |